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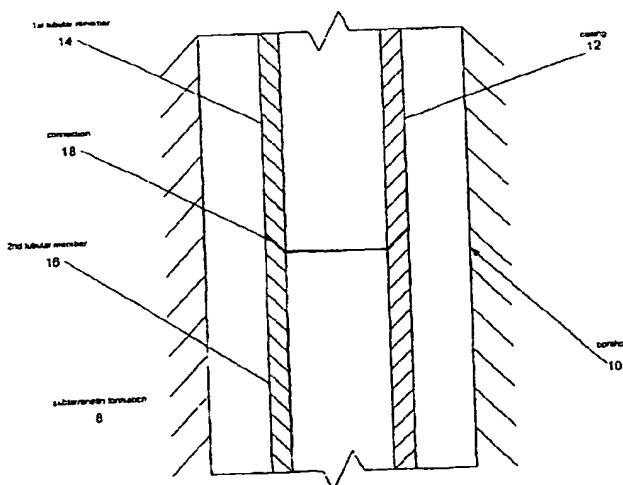
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(54) Title: A METHOD OF RADIALLY EXPANDING AND PLASTICALLY DEFORMING TUBULAR MEMBERS



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(57) Abstract: A method of radially expanding and plastically deforming a tubular assembly comprising a first tubular member, a second tubular member, and a mechanical coupling for coupling the first tubular member to the second tubular member, the method comprising placing the mechanical coupling in tension; and then radially expanding and plastically deforming the mechanical coupling. It is emphasized that this abstract is provided to comply with the rules requiring an abstract to allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure; and is submitted with the understanding that it will not be used to limit the scope or meaning of the claims under 37 CFR 1.72.

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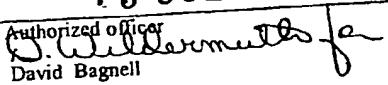


- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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INTERNATIONAL SEARCH REPORT		International application No. PCT/US04/28423												
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : E21B 29/00, 17/042 US CL : 166/277,382,207,208 According to International Patent Classification (IPC) or to both national classification and IPC														
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 166/277,382,207,208,297,55,55.1,206,212,216,214,242.1,242.2 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched														
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet														
C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 10%;">Category *</th> <th style="text-align: left; width: 80%;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="text-align: left; width: 10%;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>US 6,607,220 B2 (Sivley, IV) 19 August 2003 (19.08.2003), Figures.</td> <td>1,4,6,13,17,18,20,21,25 ,28,30,33- 38,41,44,45,53,57,58,6 0,61,65-70,73,76,77</td> </tr> <tr> <td>—</td> <td></td> <td>2,3,5,7-12,14-16,19,22- 24,26,27,29,31,32,39,4 0,42,43,45,47-52,54- 56,59,62- 64,71,72,74,75</td> </tr> <tr> <td>Y</td> <td>US 6,543,552 B1 (Metcalfe et al.) 08 April 2003 (08.04.2001), Figures.</td> <td>2,3,5,7-12,14-16,19,22- 24,26,27,29,31,32,39,4 0,42,43,45,47-52,54- 56,59,62- 64,71,72,74,75</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 6,607,220 B2 (Sivley, IV) 19 August 2003 (19.08.2003), Figures.	1,4,6,13,17,18,20,21,25 ,28,30,33- 38,41,44,45,53,57,58,6 0,61,65-70,73,76,77	—		2,3,5,7-12,14-16,19,22- 24,26,27,29,31,32,39,4 0,42,43,45,47-52,54- 56,59,62- 64,71,72,74,75	Y	US 6,543,552 B1 (Metcalfe et al.) 08 April 2003 (08.04.2001), Figures.	2,3,5,7-12,14-16,19,22- 24,26,27,29,31,32,39,4 0,42,43,45,47-52,54- 56,59,62- 64,71,72,74,75
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Date of the actual completion of the international search 21 April 2005 (21.04.2005)		Date of mailing of the international search report 13 JUL 2005												
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450		Authorized officer  David Bagnell Telephone No. 571-272-3600												

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/28423

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,P	US 2004/0231839 A1 (Ellington et al.) 25 November 2004 (25.11.2004), Figures.	1-77
A,P	US 2004/0060706 A1 (Stephenson) 01 April 2004 (01.04.2004), Figures.	1-77
A	US 2003/0075338 A1 (Sively, IV) 24 April 2003 (24.04.2003), Figures.	1-77
A	US 6,419,025 B1 (Lohbeck et al.) 16 July 2002 (16.07.2002), Figures.	1-77
A,P	US 2004/0221996 A1 (Burge) 11 November 2004 (11.11.2004), Figures.	1-77
A	US 2003/0042022 A1 (Lauritzen et al.) 06 March 2003 (06.03.2003), Figures.	1-77
A	US 6,527,049 B2 (Metcalfe et al.) 04 March 2003 (04.03.2003), Figures.	1-77
A,P	US 6,722,443 B1 (Metcalfe) 20 April 2004 (20.04.2004), Figures.	1-77